

Living Colors® DsRed Monoclonal Antibody

Catalog No.
632392

Amount
200 µl

Lot Number
Specified on product label.

Description

A monoclonal antibody for the detection of *Discosoma* sp. red fluorescent protein (DsRed). This antibody recognizes denatured forms of wild-type DsRed and its variants, including DsRed1, DsRed2, and DsRed1-E5 (the Fluorescent Timer). The antibody binds DsRed1 and DsRed2 even when these proteins are expressed as fusions to other proteins. Both N- and C-terminal fusions are recognized.

Recommended Applications

- This antibody is recommended for Western blotting.

Suggested Dilutions

- For Western blotting, we suggest using the antibody at a 1:500 dilution. Follow the Western Blotting protocol in the Living Colors DsRed Monoclonal Antibody Protocol-At-A-Glance.

Package Contents

- 200 µl Living Colors DsRed Monoclonal Antibody

Source

- Mouse

Concentration

- 0.25 mg/µl

Storage Buffer

- 10 mM phosphate-buffered saline (pH 7.2); 150 mM NaCl; 20% (w/v) glycerol; 0.09% sodium azide

Storage Conditions

- Store at -20°C.
- Avoid repeated freeze/thaw cycles.

Expiration Date

- Specified on product label.

Shipping Conditions

- Dry ice

Takara Bio USA, Inc.

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Product Documents

Documents for our products are available for download at takarabio.com/manuals

The following documents apply to this product:

- Living Colors DsRed Monoclonal Antibody Protocol-At-A-Glance

Quality Control Data

The quality and performance were tested by Western blot analysis using lysate made from an HEK 293 cell line stably expressing DsRed Express. After cells were collected and lysed using SDS sample buffer, the lysate (10 μ l; equivalent to 35,000 cells) was electrophoresed on a 12% SDS-polyacrylamide gel and transferred to a nitrocellulose membrane. The blot was probed with the Living Colors DsRed Monoclonal Antibody (diluted 1:500), followed by a secondary goat anti-mouse antibody conjugated to horseradish peroxidase (HRP). The HRP signal was detected by chemiluminescence. A band of approximately 29 kDa corresponding to DsRed Express was observed in the lane loaded with the DsRed Express cell lysate. A band of this size was not detected in the lysate of untransfected HEK 293 cells.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

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NOTICE TO PURCHASER:

Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. Our products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without our prior written approval.

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